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HCNII, Peter

"Measuring units and quantities used in natural sciences" by [Dr.] E.Padelt, [Or.] E.Laporte, Reviewed by Peter Honsi. Meres automat 13 no.4:113 '65.

1. Editorial Board Momber, "Mores as Automatika."

... , Land dimension and Establish Land

HONTVARY, M.

HOMTVARY, M. New materials in the service of mining. p. 161

Vol. 11, no. 3, March 1956 BANYASZATIL LAPOK TECHNOLOGY Budapest, Hungary

SO: East European accession Vol. 6, no. 3, March 1957

TOTH, Margit, MCNTY, Anna; Iaszlo Central Hospital for Infectious Diseases (director: RCMAN, J.) (Iaszlo Kozponti Fertozobeteg Korhaz), Budapest.

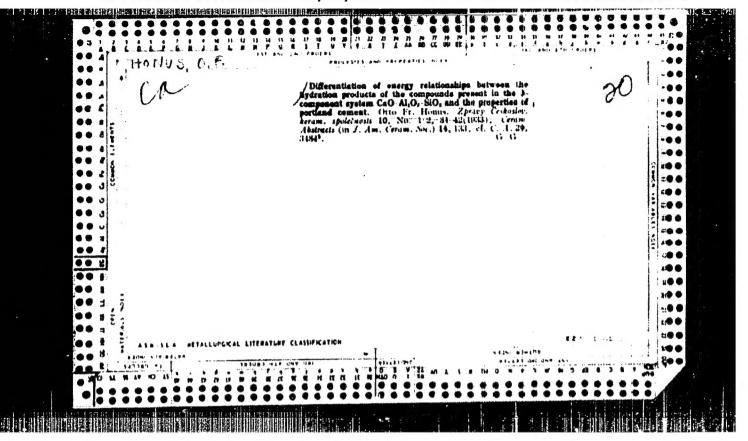
"Relationship Detween Age and Incidence of Hemagglutination-Inhibiting Antibodies Against Reovirus Types 1, 2 and 3."

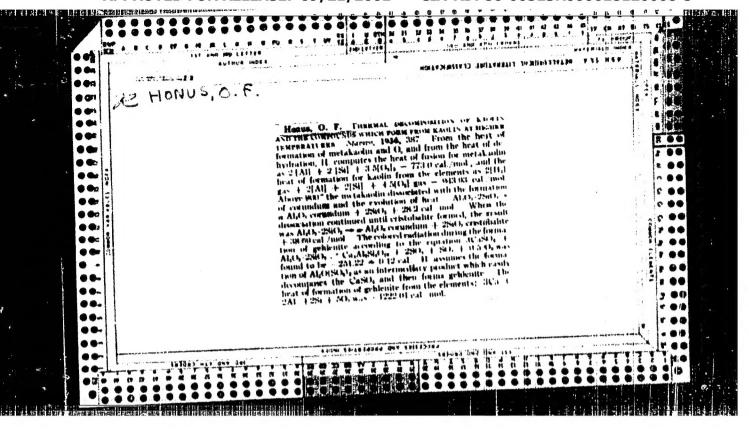
Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol XIII, No 2, 1966, pages 119-126.

Abstract: [English article, authors' English summary modified] The hemagglutination-inhibiting (HT) antibodies against the three recvirus types were titrated in serum samples collected from 1982, mostly healthy persons living in Hungary. Antibodies to types 1, 2 and 3 were found in 73, 74 and 81 per cent of the samples, respectively. The percentage of seropositive sera appears to grow until the fourth decade of life in the case of types 1 and 2; in the case of type 3, the highest levels are reached between 3 and 5 years of age. The serological response of 273 hospitalized cases with acute respiratory infection was compared with that of 114 cases of viral hepatitis. No appreciable difference could be demonstrated. In 22 cases under 10 years of age which were clinically diagnosed as "viral infection", the incidence of antibody response to recvirus types 1 and 3 was relatively high (3 and 5, respectively). The HI test was found to be of equal value to the neutralization test in detecting recvirus antibodies. A close correlation exists between HI and neutralization titers. 3 Eastern European, 37 Western references.

1/1 [Manuscript received 4 Nov 65.]

- 39 -





L 13374-66

ACC NR: AF6007273

SOURCE CODE: RU/0017/65/017/001/0034/0036

AUTHOR: Honyi, Ede, Jr.-Kheni, E.

ORG: none

TITLE: Contemporary Hungarian tourist maps

SOURCE: Geodezia es kartografia, v. 17, no. 1, 1965, 34-36

TOPIC TAGS: map, cartography

ABSTRACT: New tourist maps were issued by the Enterprise for Cartography (Kartografiai Vallalat) [location not given] for the following districts: The mountains surrounding Budapest (Budai Regyseg), the Recsek Mountains, The Bakony area, The Vertes mountains, The Pilis area, the Bormsony Mountains, the Katra Mountains, the Bukk Mountains, the Zemplen Mountains, Lake Balaton, Lake Velence, and the Esztergom-Budapest and Budapest-Dunaujvaros sections of the Danube river. Some of these are now issued in a revised and improved form. The principal features of these maps, some commendations and criticisms as to their technical content and convenience, were discussed. [JPRS]

SUB CODE: 08 / SUBM DATE: none

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UDC: 528.946

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HONYI, E.

HONYI, E. Remarks on compensation according to directions. p.231.

Vol. 7, No. 4, 1955. GEODEZIA ES KARTCGKAFIA SCIENCE Budapest, Hungary

FERRICA TO THE PROPERTY OF THE

So: East European Accession, Vol. 5, No. 5, May 1956

HONYI, E.

REDEATED A THE REPUBLIC RESEARCH RESEAR

Procedures for the equalization of our network mearing completion. p.15. (GEODEZTA ES KARTOGREFFA. Wol. 9, no. 1/2, 1757, Hangary)

SO: Monthly List of East European Accessions (MAAL) LU. Vol. 6, no.12, Dec. 1957. Uncl.

"APPROVED FOR RELEASE: 09/21/2001

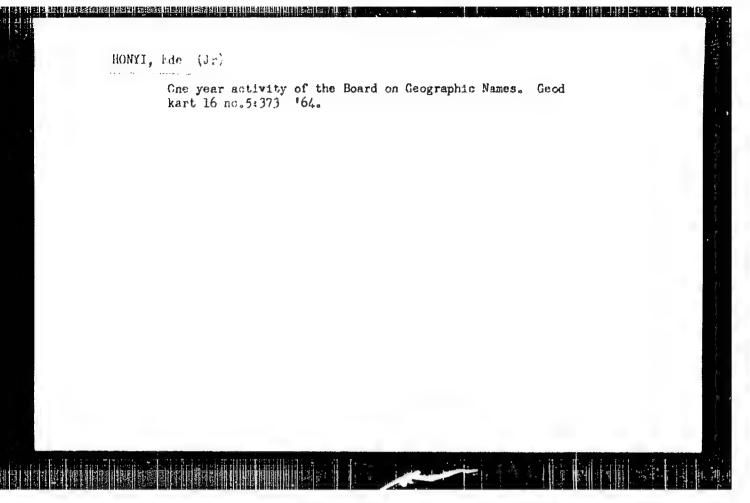
CIA-RDP86-00513R000618120008-5

2. A procedure for the final adjustment of the aubsidiary angles of the subsidiery triangles. Computations are triangulation groups of Artitious triangulation nots, E. H.d. n.y.i. Afteria ifor the degree of candidate of science, of p., in three stages. First the net of unboldings trianglist is harden down into groups authining then dominant points ouch f. c. into fuctations that order ariungles. Those grunps are THE. prefinancity adjusted by a correlate method and the fieti-A new method these been introduced for measuring the those nogles between the dominant points are computed. filler notwork of the new Humgarian first-order triangulation In the second stage the not of deminant points is adjusted not. The not thus developed is determined by the Hacay's and the Taresy-Hornoch's methods developed for contiby the coordinate method, in this third stages the groups of aubsationy triangles boldinging to the flexitions triangles are uental nots. According to the new method the areas between finally adjusted on the havis of the final coordinates of the the curves formed by the chains are covered with triangles of 8 km side length. From among these triangular points, dominant points. An eronomical yet exact method has been elaborated for the histor by the anti-or, Three-recalled so-called duminant points - spaced about 30 km apart diagonal equipmederates of condition consisting the invariabiliare selected to form a fictitional first-order not. The dominant ity of the dominant points, and indical to the conditions of points are not compared to one mother, the angles of this its of the dimension points, or miner sents is obtained by adjustment in the fast state; the final result is obtained by fictitious first-order net being computed from the measured complementing the tast edjustment with there equipmenterates. The diagonal condition expresses the following constraint; between the dominant points the projection "M. T. A., Vol. 9, 1957, No. 4, abstra. 1, 2, anto a fieldious side of the sides of a polyger course compared of the sides of the subsidiary tradigles were equal the definitive length of the fixtilions sulp. This procedure can be applied for the adjustment of continental note by well.

HOMYI, E.

Whadyslaw Batkiewicz's article "Computation of a Triangulation Network Built on Fictitious Triangles"; a review. p. 91. (GEODEZIA ES HARTOGRAFIA. Vol. 9. no. 1/2, 1957. Hungary)

SO: Monthly List of East Auropean Accessions (EEAL) LC. /ol. 6, no. 12, Dec. 1957. Uncl.



Compensating the fictive primordial network of the Dunantul completing network system. Geod.kart. 12 no.1:16-19 '60. (EAI 9:5)

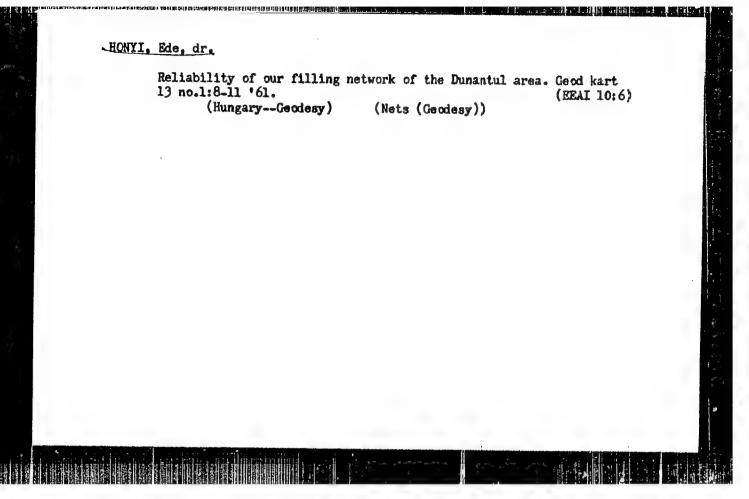
(Hungary-Geodesy)

HONYI, Ede, dr.

On the computation of mean error of function between compensated values nonindependent of each other. Good kart 12 no.4:236-238 *60.

(EEAI 10:3)

(Functions)



HONYI, Ede, dr.

Reliability of the intercosed points of our completive triangulation. Good kart 13 no.3:158-162 '61.

\$/035/62/000/005/079/098 A055/A101

AUTHOR:

Hönyi, E.

TITLE:

Examination of the possibilities of reducing the errors due to

refraction in leveling

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 24-25. abstract 5G156 ("Geod. és kartogr.", 1961, 13, no. 4, 237-242,

Hungarian; German summary)

In order to investigate the vertical refraction in the lowest layer TEXT: of the atmosphere, the air temperature measurement data, obtained by the Hungarian meteorological institute in March - November 1955, have been processed. The measurements were effected daily, from 3 a.m. to 11 p.m. and every two hours, with the aid of "Assman" psychrometers, at the height of 0.1; 0.5; 1.0 and 2.0 m above the ground. For height intervals 0.1 - 0.5; 0.5 - 1.0 and 1.0 -2.0 m, the temperature gradients and their average values (as well as the deviation from the average values) were calculated for every observational time for a month. The obtained results showed that the temperature gradients are extremely unstable by day-time; the errors in their determination are - owing to swift

Card 1/2

Examination of the possibilities ...

\$/035/62/000/005/079/098 A055/A101

as the magnitudes of the gradients themselves. This led to the conclusion that the measurement of gradients is inadequate in leveling. To reduce the influence of refraction, high-precision leveling must be effected, according to the author, on dull, cloudy days, in isothermal periods; the height of the line-of-sight leveling lines along roads with a small slope; the distance between the instrusent and the surveyor's poles must not exceed 40 m. When the slope of the line giving the dependence of z (distance between the instrusiving the dependence of z (distance between the instrument and the pole) on the

40 m 35 m 30 m 25 m 20 m 15 m 10 m slope (in thousands) 17.5 20 23.3 28 35 46.5 70 ences.

[Abstracter's note: Complete translation]

V. Mauerer

Card 2/2

HONYI, Ede, dr., egyetemi adjunktus, a muszaki tudomanyok kandidatusa LUKACS, Tibor

The Pranis-Pranievich's multigroup method for compensating the co-ordinates of large triangulation networks. Good kart 14 no.4:227-238 '62.

1. Epitoipari es Koslekedesi Muszaki Egyetem, Budapest (for Honyi). 2. Gsoportvezeto mernok, Budapesti Geodesiai es Terkepeszeti Vallalat (for Lukacs).

HONYI, Ede, dr., egyetemi adjunktus, a mussaki tudomanyok kandidatusa

"Geodesy" by Karoly Oltay, revised by Dr. Istwan Rudey. Reviewed by Dr. Ede Honyi. Geod kart 14 no.4:315-316 '62.

l. Epitoipari es Koslekedesi Mussaki Egyetem.

HONYI, Edo (Jr)

"The Freytag-Porndt Tourist map" by Dr.Fritz Aurada. Reviewed by Ede Honyi (Jr). Good kart 16 no.3:232-233 '64.

"100 years of the cartographic activity of the Society of Alpinists" by Dr. Fritz Aurada. Reviewed by Ede Honyi (Jr). Ibid.:233

30192-66 ACC NR: AT6020302 SOURCE CODE: HU/2504/65/052/01-/0131/01/2 AUTHOR: Honyi, E. -- Kheni, E. (Candidate of technical sciences) ORG: Technical University for Construction and Transportation, Budapost TITIE: Precise compensation in certain cases involving polygon lines joined by measurements SOURCE: Academiae scientiarum hungaricae. Acta technica, v. 52, no. 1-2, 1965, 131-142 TOPIC TAGS: geodesy, polygonomotry ABSTRACT: A method was developed for adjusting measurement-connected polygon lines between base-network points for cases where direction and length measurements are available either between individual points in the network or between a point in the network and a precisely defined external point. With the aid of this method it is possible to adjust the lines jointly, rather than independently and singly. Orig. art. has: 6 figures and 7 formulas. [Orig. art. in German.] [JPRS] SUB CODE: 08, 12 / SUBM DATE: 12Feb64 / ORIG REF: Card 1/1 ('(')

HONYI, Ede (Jr)

"Place names of the Bitterfeld and Grafenhainichen area" by Dietrich Freydank. Reviewed by Ede Honyi (Jr). Geod kart 14 no.6:468-469 162.

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Norpermissible combinations of grounding and neutral grounding of public low-voltage lines. Elektrotechnik 19 no.1:6-8 Ja'64.

1. Ustav technickeho dozoru, Praha.

HONYS, Vaclav

Lightning protection of steel storage cranes. Klektrotechnik 19 no.2:58-59 F*64

1. Ustav technickeho dozoru, Praha.

HONYS, V.

Fire caused by the neutral wire break. Elektrotechnik 18 no.62
176 Je *63.

HONYS, Vaclav

Devices for artificial breathing from lungs to lungs. Energetika Cz 13 no.6:323-324 Je '63.

1. Ustav technickeho dozoru, Praha.

Country: Czechoslovskia p-a
Country: Analytical Chemistry.

1.53. Nour.: Ref. Zhur ~ Khim., No 7, 1959 25028

inttitute : Suchy, K.; Honz, J.

71th : Polarographic Determination of Magnesium

Ori . Dub. : Fysiatr. vest., 1958, 36, No 3, 147-150

Continued: For determining Mg²⁺ in the presence of 3-15 fold amount of Ca²⁺, for example in mineral waters, there is proposed a polarographic method based on decrease in height of polarographic wave of hydroxyquinoline (I) in presence of Mg²⁺. As background solution use is made of a mixture of 600 ml 0.1 N Na₂C₂O₄, 100 ml 0.1 N KCl, 50 ml 0.4% gelatin solution, and 25 ml 0.2 N NaOH, diluted with water to 1 liter. To plot the calibration graph there are added to 20 ml of the background solution 5 ml 0.01 M ethanol solution of 1, and solutions of Mg²⁺ containing 2, 4, 6, and 8 m-equivalent/liter of Mg²⁺ (prepared by dilution of 0.01 N solution of Mg²⁺

Sard: 1/3

E-17

Czechoslovakia E-2 Category Analytical Chemistry. Aba. Jour. : Ref. Zhur - Khim., No 7, 1959 23028 Author Institut. Title Orig Pub. : Abstract : obtained by dissolving MgO dried at 1000° in stoichiometric amount of HC1). After passing N2; polarography is carried out and the curve is plotted depicting the correlation between height of polarographic wave of I and the concentration of Mg2+. It was ascertained that concentration of Mg2+ (x) can be calculated according to the equation x = 9.8657 - 0.13986 h, where h -- wave-height in mm. On analyzing mineral water, the sample (250 ml) is evaporated with a small amount of HCl and H_2O_2 , to dryness, residue is dissolved in water, solution is neutralized to methyl orange with NaHCO3, precipitate of Fe(OH); is filtered off, and 5 ml of the filtrate are used for polarography. Discrepancies. Ctrd: 2/3

COUNTRY CATEGORY: Czechoslovakia D

ABS. JOUR.: AZKhim.; So. 1959, No. 85938

AUTHOR Hong, J.
THEF.: Chemical analysis and Classicidation of Kinery: Water of "Stefan" Spring in Cigoloc.
GRIT. PUB.: Fysis r. vests., 1959, 37, No. 2, 112-113

APDTRACT: No abstract.

36

PHASE I BOOK EXPLOITATION

80V/5799

Unksov, Ye.P., Doctor of Technical Sciences, Professor, Ed.

Sovremennoye sostoyaniye kuznechno-shtampovochnogo proizvodstva (Present State of the Presaworking of Metals) [Moscow] Mashgiz, 1961. 434 p. 5000 copies

Ed. of Publishing House: A.I. Sirotin; Tech. Ed.: B.I. Model; Managing Ed. for Literature on the Hot Working of Metals: 8.Ya. Golovin, Engineer.

Title: Kuznechno-shtempovochnoye proizvodstvo v SSSR (The Pressworking of Metals in the USSR) by: A.V. Altykis, D.I. Berezhkovskiy, V.F. Volkovitskiy, I.I. Girsh (deceased), L.D. Gol'man, S.F. Granovskiy, N.S. Debrinskiy, A.I. Zimin, S. L. Zlotnikov, A.I. Kagalovskiy, P.V. Lobachav, V.N. Martynov, Ye.N. Hoohnin, G.A. Navrotskiy, Ya.M. Okhrimenko, G.N. Rovinskiy, Ya.A. Stosha, Yu.L. Rozhdestvenskiy, N.V. Tikkomirov, Ye.P. Unksov, V.F. Sheheglov, and L.A. Shofman; Eds: Ye.P. Unksov, Doctor of Technical Sciences, Professor, and B.V. Rozanov.

Title: Kuznechno-shtampovochnoye proizvodstvo v ChSSR (The Pressworking of Metals in the Czechoslovak SR) by: 8. Burda, F. Brazdil, F. Drestik, F. Zletchlavek Card 1/8

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Present State of the (Cont.)

SCV/5799

Z. Kejvel, V. Krauz, F. Kupka, F. Hajer, K. Harvan, J. Hovdi, J. Olchaul, K. Paul, B. Schmer, M. Honz, J. Castke, V. Sindakir, and J. Sole; Edit: A. Nejopsa and M. Vik.

PURPOSE: This book is intended for engineers and scientific personnel encerned with the pressworking of metals.

COVERAGE: Published jointly by Mashgiz and SMTL, the book discusses the present state of the preseworking of metals in the USSR and the Czechoslovak Bocielist Republic. Chapters were written by both Soviet and Czachoslovak writara. No personalities are mentioned. There are 129 references: 98 Sowiet, 16 English, 8 German, 5 Czech, and 2 French.

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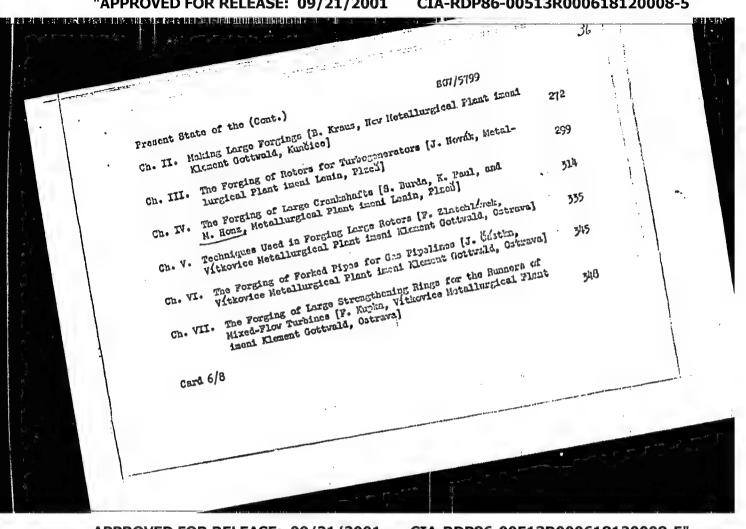
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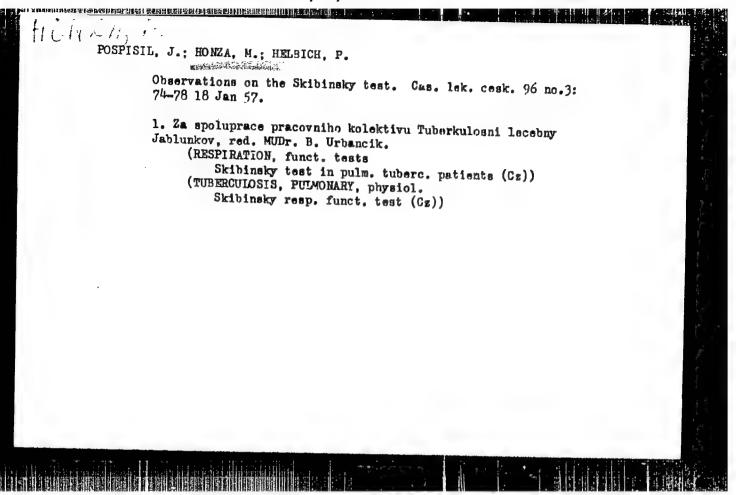
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MAZEL, A.; BRAZDA, L.; HONZA, M.

Simultaneous resection of the lungs in tuberculosis with mitral commissurotomy performed during pregnancy. Cas. Lek. Cesk. 101 no.13: 392-394 30 Mr 162.

1. II chirurgicka klinika v Brne, prednosta prof. MUDr. J. Navratil - Tbe lecebna v Jablunkove, reditel MUDr. B. Urbancik.

(PRECNANCY complications)
(TUBERCULOSIS PULMONARY in pregn)
(PNEUMONECTOMY in pregn)
(MITRAL STENOSIS surgery)

GZECHOSLOVAKIA/Cultivated Plants - Fruits. Berries.

M-6

Abs Jour

: Ref Zhur - Biol., No 7, 1958, 30065

Author

: Honzak, Dragan

ERRONDE BEFEREITERE IN DER BERTTER BEFERE VIOLETE DER HEITE BEI IN DER FELTE FOR DER FEREITE FOR FORDER FOR DE

Inst Title

: Green Fertilizer for Vineyards.

Orig Pub

Sadjar., vinar., vrtnar., 1957, 44, No 5, 138-140

Abstract

Sadjar., vinar., vrtnar., 1957, 44, 16 5, 138-140

Abstract

The colza is one of the species of green fertilizer distribued in Slovenia. It has shallow roots and therefore needs supplemental N placement. The wild mea is also suitable with a small admixture of rye. If young grapevines are transplanted after the uprooting of the old vines, it is recommended for the renewal of the soil structure that alfalfa be planted. It is recommended that green fertilizer crops be sown in young vineyards, beginning with the

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APPROVED FOR RELEASE: 09/21/2001

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OPAVSKA, M.; HONZALOVA, A.

cardasees 1/2005-412 166-3-2-2013 医部门外院医室的原因多面的引引用层部的指列引引机器都进程器的

Unusual foreign body (fishing line) in the bladder of a 14year-old boy. Cesk. pediat. 18 no.8:720-721 Ag 163.

1. Detske oddeleni OUNZ v Pribrami, vedouci MUDr. M. Krejza. (BLADDER) (FOREIGN BODIES)

HONZI, J.

HONZI, J. Synthetic studies in the exytocin field. III. Alternative synthesis of oxytocin. In English. p. 2002. Vol. 21, No. 1 Feb. 1956. SPOFNIK CHEMBOSLOVATSKINH KHIRICHESKIKH RABOT. COLLECTION OF EZECHOSLOVAK CHEMICAL COMMUNICATI NS. Praha, CZ CHOSLOVAKIA.

SOURCE: EAST EUROPEAN ACCESSIONSLIST (EGAL) VOL 6 NO 4 April 1957

"APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618120008-5 The state of the s

HONZI, J.

HONZI, J. Syntheses in the field of oxytocin. III. Alternative synthesis of oxytocin. p. 288 vol. 50 no. 2 Feb. 1956 CHEMICK LISTY. PRAHA, CZECHOCLOVAKIA

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

HONZIK, Antonin, inz.

New streetcars made by the Tatra Wagon Works. Siln doprava ll no.3:25 Mr '63.

HONZIK, E.; SVAGR, L.

Preparing the 3d Five-Year Plan in the production of welding machinery. p. 193.

ZVARANIE. (Ministerstvo hutneho prumyslu a rudnych bani a Ministerstvo strojarenstva) Bratislava, Czechoslovakia. Vol. 8, no. 7, July 1959.

Monthly list of East European Accessions (EEAI) IC, Vol. 8, no. 10, Oct. 1959. Uncl.

HONZIK, Emilian, inz.

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Plan of welding technique development in the Soviet Seven-Year Plan and in our third Five-Year Plan, and measures taken in this respect. Zvar sbor 9 no.4:432-438 '60

 Vyzkumny ustav svarovacich stroju a technologie svarovani, Praha.

HONZIX, E., inz.

Control systems of welding processes and their development. Automatizace 5 no.10:277-279 0 '62.

1. Vyzkumny ustav svarovacich stroju a technologie svarovani, Praha.

HONZIK, Emilian, inz.

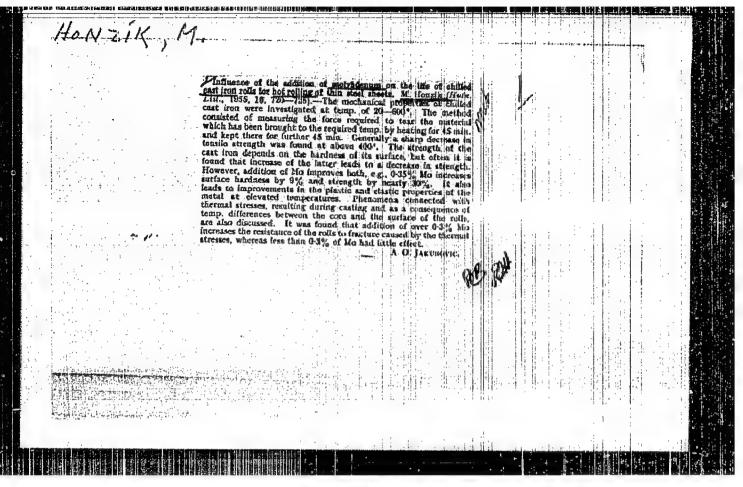
Modern adjustment of the OKO-TS 2 Italian semiautomatic machines for CO₂ welding. Zvaranie 13 no. 4:120-121 Ap '64.

HONZIK, M.

"Wide strip mills and its importance for the canning industry." P. 138.

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu). Praha, Czechoslovakia, Vol. 10, No. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncla.



HONZIK, M., inz.

Thin-walled profiled steel, its mamufacture and use. Tech praca 14 no.3:229-233 Mr 162.

1. Nova hut Klementa Gottwalds, n.p., Ostrava-Muncice.

BECVAR, J.; MRAZ, V., inz.; PANT, P., inz.; HONZIK, M., inz.; TEINDL, J.

Informations on metallurgy. Hut listy 17 no.4:298-304 Ap 162.

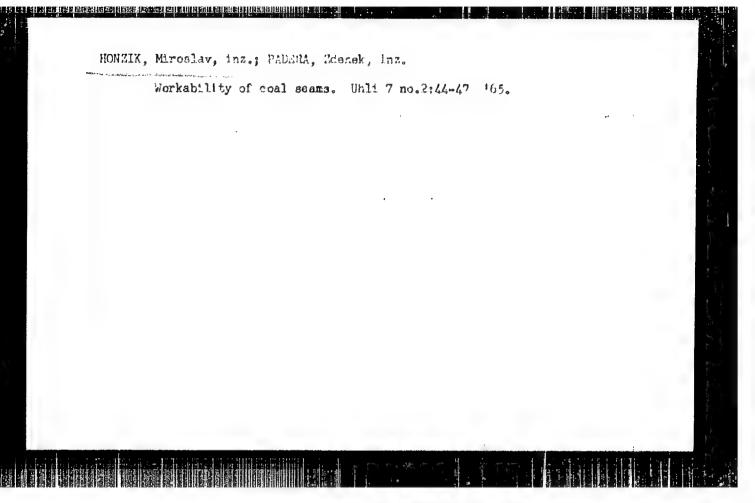
PUNCOCHAR, Z., inz.; BAUER, J., dr., inz.; KEFKA, M., inz.;

MENSIK, M., inz.; HOMZIK, M., inz.; REDR, M.;

CHVOJKA, Jiri, inz.; KRAUS, Z., inz.

Informations on metallurgy. Hut listy 17 no.10:739-749

0 '62.



HONZL, J; RUDINGER, J.

Synthesis in the field of oxytocin II. Synthesis of some derivatives of L-cysteinyl-Letyrosylglycine L-cysteinyl-L-tyrosyi-L-leucine and L-cysteinyl-L-tyrosyl-L-isoleucine, p. 751

CHECMICKE LISTY (Chemkoslovenska akademic ved. Ceskaslovenska spotlenost chemicks) Praha, Gzechoslovakia., Vol. 49, no. 5, May 1955

Monthly List of East European Accessions EEAI LC, Vol. 9, no. 1, Jan 1960 Uncla.

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· HONZL, JAN

CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring

Substances and Their Synthetic Analogs

: Referat Zhur - Khimiya, No 2, 1957, 4572 Abs Jour

: Honzl Jan, Rudinger Josef

: Amino Acids and Peptides. XVIII. Syntheses Pertaining Author Title

to Oxytocine .II. Syntheses of Some Derivatives of L-Cysteinyl-L-Tyrosylglycine, L-Cysteinyl-L-Tyrosyl-L-Leucine and L.-Cysteinyl-L-Tyrosyl-L-Isoleucine.

Orig Pub

Syntheses of some peptide derivatives (stated in the Abstract

title). The tosyl group was used to protect the amino group, which resulted in the preparation of derivatives that exhibit good crystallization. The authors started with tosyl-S-benzylcystein (I), which they obtained from 21 g of S-benzylcystein in 75 ml 2N NaOH and 20 g

p-CH₃C₆H₄SO₂Cl in 60 ml acetone together with 28 ml 4N - NaCH (stirring 1 hour); on acidification

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CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring Substances and Their Synthetic Analogs

: Referat Zhur - Khimiya, No 2, 1957, 4572 Abs Jour

> of the aqueous solution the oil crystallized, yield 55-70%, Mp 125-1260 (from benzene). Acid chloride (II) from 15 g I and 40 ml SCCl₂ (boiling for 15 minutes), yield 70-86%, MP 112-1140 (from benzene). Ethyl ester of tosyl-S-benzyl-L-cysteinyl-L-tyrosine (III) from 5.7 g II and 7.3 g ethyl ester of L-tyrosine in CH3CCCC2H5. Solution washed with HCl, water and 5% solution of Nalico₃, yield 91%, after recrystallization 64%, MP 115-1160 (from CH₃COCC₂H₅-petroleum 6ther). Tosyl-

S-benzyl-L-cysteinyl-L-tyrosine (IV) from 3 g III and 3 ml 4N NaOH, 45 minutes, ~20°, after acidification, 2 hours, 0°, yield 86%, MP 156-158° (from aqueous alcoa hol). Hydrazide of IV (V): to 5.4 g III and 1.2 g 80% N2H4.H20 added absolute alcohol until solution is homogeneous (72 hours, ~200, yield 79% on basis of III or 59% on basis of II, MP 2010 (from aquecus alcohol).

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CZECHOSLOVAKIA/Organic Chemistry - Natirally Occuring Substances and Their Synthetic Analogs

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Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4572

at CO -- crystals, yield 83%, MP 118-12CO (CH3COCC2H5-petroleum ether). Ethyl ester of tosyl-S-benzyl-L-cysteinyl-(O-acetyl-L-tyrosyl)-glycine (VII) from the preceding compound (2.5 g in 10 ml CH3CCOCC2H5), from ethyl ester of glycine (C.2 g, distilled) and N-ethylpiperidine (0.8 ml in 20 ml CH3COCC2H5, 1 hour at -6CO, then gradually ~ 20O), then added II (0.7 g in 10 ml CH3CCCC2H5 at 15O), mixture heated gradually, washed with HCl, water and 5% solution NaHCO3, yield 31%, MP 154-155O (from CH3CCCC2H5-petroleum ether). Tosyl-S-benzyl-L-cysteinyl-L-tyrosyl-glycine (VIII): a) from VI (0.2 g) and 4N NaCH (0.4 ml), ~ 20O, 45 minutes, on acidification there is obtained the hydrate, yield 54%, MP 125O; b) from VII in a somilar manner, yield 50%. Hydrazide of VIII (IX): a) from VI (0.3 g) and 8C% solution N2H4.H2C (0.03 ml) as in the case of V, yield of IX

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APPROVED FOR RELEASE: 09/21/2001 CIA-RDP86-00513R000618120008-5"

CZECHCSLCVAKIA/Organic Chemistry - Naturally Cccuring Substances and Their Synthetic Analogs

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4572

90%, MP 217-218°; b) in similar manner from VII, yield 93%. Ethyl ester of VIII (X) from 0.8 g V and ethyl ester of L-leucine (0.25 g, distilled), the same as in the case Vi, yield 67%, MP 154° (from aqueous alcohol). Methyl ester (XI) prepared analogously, yield 63%, MP 193° (from aqueous CH30H). Ethyl ester of tosyl-S-ben-2yl-L-cysteinyl-(0-acetyl-L-tyrosyl)-L-leucine (XII), from 2-carboxy- anhydride-0-acetyl-L-tyrosine (1.84 g), ethyl ester of L-leucine (1.18 g) and II (2.35 g), similarly as in the case of VII, crystalline, yield 7.6%, MP 166-168° (from chloroform-petroleum ether, then aqueous isopropanol, then dry isopropanol). Tosyl-S-benzyl-L-cysteinyl-L-tyrosyl-L-leucine (XIII): a) from X (0.34 g) and 4N NaOH (0.4 ml l ml water, 45 minutes), yield 88% (seminydrate), MP 93-101° (from aqueous alcohol); b) from XI in a similar manner, yield 60%;

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CZECHOSLOVAKIA/Organic Chemistry - Naturally Cocuring Substances and Their Synthetic Analogs

E-3

Abs Jour : Referat Zhur - Khimiya, No 2, 1951, 4572

> c) from XII in a similar manner, yield 45%; samples (a), (b) and (c) show no lowering of the melting point. Hydrazide or tosyl-S-benzyl-L-cysteinyl-L-tosyl-L-leucine (XIV) from XI (1.2 g) and 80% N₂H₁.H₂O (0.12 ml) absolute CH₂OH (boiling 13 hours), yield 30%, MP 2270 (from aqueous alcohol). Methyl ester of tosyl-S-benzyl-L-cysteinyl-L-tyrosyl-L-isoleucine (XV), from V and methyl ester of Lisoleucine similarly to VI, yield 33-66%, MP 193-1950 (from aqueous CH3OH). Tosyl-S-benzyl-L-cysteinyl-L-tyrosylisoleucine by alkaline hydrolysis from XV (like VI), yield 50%, MP 119-1230 (from aqueous alcohol). Hydrazide of tosyl-S-benzyl-L-cysteinyl-L-tyresyl-L-isoleucine from XV (2.6 g) and absolute hydrazine (0.25 ml) (7 days, 20°), yield 80%, MP 242-243° (from aqueous alcohol). Ethyl ester of tosyl-S-benzyl-L-cysteinyl-L-tyrosyl-Lleucylglycine:

Card 6/7

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APPROVED FOR RELEASE: 09/21/2001 CIA-RDP CIA-RDP86-00513R000618120008-5"

Substances and Their Synthetic Analogs

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Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4572

> a) from XIV by azide synthesis like VI, yield 77%, MP 194-1950 (from CH3COCC2H5, then 75% alcohol); b) from

ethyl ester of glycine (0.06 g) in 1 ml $POH(OC_2H_5)_2$,

0.15 ml ethyl ester of pyrophosphorous acid and from XIII (0.36 g, azeotropically dehydrated) for 30 minutes, 80-500, then mixture poured into 50 ml water; yield 52%, MP 194-1950 (from aqueous alcohol); shows no depression of the melting point with an (a) sample.

HONZL, J.

Reaction of 1,4-disubstituting 2,5-dioxopiperasine with phosphorus pentachloride. Coll Cz chem 25 no.10:2651-2667 0 160.
(EEAI 10:9)

1. Chemisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag.

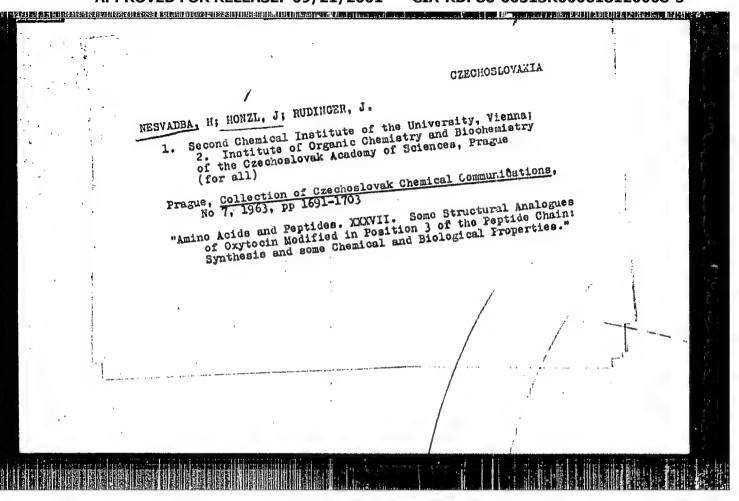
(Piperazinedione) (Phosphorus chlorides)

HONZL, J.; RUDINGER, J.

Amino acids and peptides. Part 33: Nitrosyl chloride and butyl nitrite as reagents in peptide synthesis by the azide method; suppression of amide formation. Coll Gz Chem 26 no.9:2333-2344 161.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

(Amino acids) (Peptides) (Nitrosyl chloride)
(Butyl nitrite)



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SMEJTEK, P.; HONZL, J.; RETALOVA, V.

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Institute of Macromolecular Chemistry, Caschoslovak Academy of Sciences, Prague - (for all).

Prague, Collection of Grechoslovak Charles Communications, No 11, November 1965, pp 3373-3809.

"Electron paramagnetic resonance of radical cations of benzidine and tetramethylpenzidine."

and the property of the proper

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Simple vibrating B eliminator. P. 116 RADIOCENIKA Budapest Vol. 6, no. 5, May 1956

SOURCE:

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MARKO, Ivan, okleveles mernok; HOOS, Lassic, ekleveles mernok, iranyito terveso

Increasing the water conveying capacity of culverts. Visugyi kosl 489-495 163.

1. Division Chief, Road and Railroad Planning Enterprise, Budapest (for Marks). 2. Road and Railroad Planning Enterprise, Budapest (for Hoos).

HOP, T.

Economical planning of prestressed slabs for bridges. p. 409. Vol. 12, no. 12, Dec. 1955. INZYMIERIA I BUDOWHICTWO. Warsaw, Poland

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The designing of prestressed beams by the use of relative values. p. 349 (INZYNIERIA I BUROWNICTWO, Vol. 13, No. 9, Sept. 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EFAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

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HOP, T. The designing of prestressed beams by the use of relative values. p. 376

Vol. 13, no. 10, Oct. 1956 INZYNIERIA I BUDOWNICTWO POLITICAL SCIENCE Warszawa, Poland

So: East European Accession Vol. 4, No. 3, March 1957

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HOP, T.; KAUFMAN, S.

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ARCHIWIM INZYNIERII IADOWEJ. (Polaska Akademia Nauk. Komitet Inzynierii Iadowej) Warszawa, Poland. Vol. 5, no. 1, 1959

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1. Politechnika Slaska, Glizice.

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1. Course on surveying, School of Agriculture, Olsstyn.

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Borderlines of rural units of economic administration and factors following from the characteristics of the area. Przegl geod 34 no.8: 334-337 Ag 162.

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MAZONSKI, Tadeusz; HEHN, Zygmunt; HOPFIEGER, Alfred

Alkylation of aromatic hydrocarbons with halogen alkanes in the presence of metallic aluminum in the liquid-vapor phase. Chemia stosow 7 no.3:393-399 163.

1. Katedra Technologii Chomicznej Organicznej, Poltechnika, Gliwice.

HOPFINGER, A.

Surface-active substances. p. 137. ACTA PHYSICA POLONICA Warszawa Vol. 9, No. 5, May, 1956.

East European Accessions List (ETAL) Library of Congress Vol. 5, No. 11, August 1956.

HOPFINGER, A.

Surface-active substances of the type alkyl aryl sulfonates. p. 73. (CHEMIK, Vol. 10, no. 3, Mar. 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, No. 9. Sept. 1957 Uncl.

POLAND/Chemical Technology. Chemical Products and Their Applications. Industrial Organic Synthesis.

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20393

Author : Hopfinger, Alfred

Inst
Title : First Plant for the Production of Alkylbenzene in Poland.

Orig Pub : Przem. chem., 1958, 37, No 6, 407-408

Abstract: The first plant in Poland for the production of alkylnemzene (I) with a capacity of 1000t/yr was put into operation at the end of 1957 at the Chemical Combine in Oswiecim. A fraction of synthetic hydrocorpone. (RC) with a boiling point of 180-

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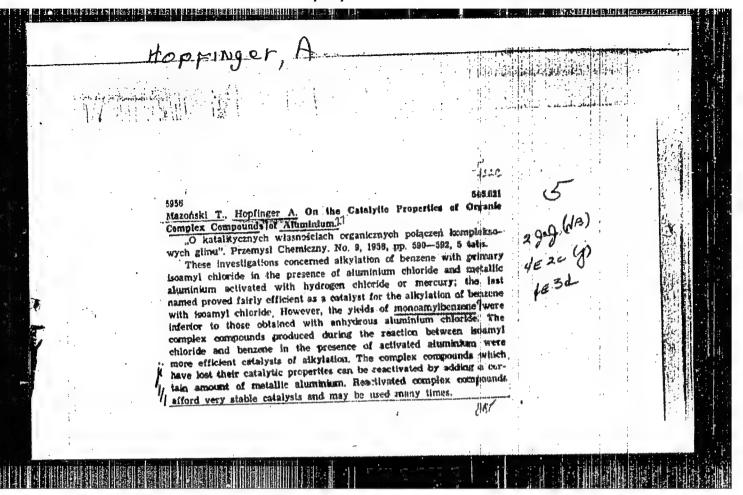
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POLAND/Chemical Technology. Chemical Products and Their Applications. Industrial Organic Synthesis.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20393

240° serves as raw material, which is obtained by the Fischer-Tropsch process, practically free of aromatic and naphthenic compounds, with a high content of saturated HC; the content of elefins is about 5 percent. The synthesis process of I consists of the following operations: chlorination of the following operations: chlorination of synthetic HC, condensation of the chloro-alkyls obtained with C6H6 according to Friedley's obtained with C6H6 according to Friedley's neutralization of the alkylate, preliminary distillation, and vacuum rectification. The scheme of the plant is cited, and the process is briefly described. In spite of the high cost of the raw material,

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HOPFINGER, Alfred

at anstructure transfer in the subminiment of the s

Certain problems concerning the development of the industry manufacturing synthetic detergents. Przem chem 39 no.8:475-478 Ag 160.

1. Instytut Ciezkiej Syntwzy Organicznej, Blachownia Slaska

KISIELOW, Wlodzimiers; SZALAJKO, Urssula; HOPFINGER, Alfred

Influence of the group and fractional composition of kerosene upon the properies of kerylbenzene sulfonates. Przem chem 39 no.12:776-784 D '60.

1. Politechnika Slaska, Gliwice

27418

P/014/61/040/008/005/008 D233/D305

5.3300 AUTHORS:

Mazoński, Tadeusz, and Hopfinger, Alfred

TITLE:

Reactions of benzene with higher chloroalkanes in

presence of AlCla

PERIODICAL: Przemysł chemiczny, v. 40, no. 8, 1961, 453 - 456

TEXT: An investigation of the influence of various parameters on the formation of alkyl benzenes with higher alkyl chlorides was carried out, since little information about these systems has been published. The alkylations were conducted in presence of anhydrous AlCl₂ with primary decyl, dodecyl and hexadecyl chlorides and with mixtures from the chlorination of normal decane, dodecane, tetradecane and cetane which contained only a small proportion of primary chlorides. The reactions were first carried out over 2 ½ hrs. at 70°C, using a constant 5:1 ratio of benzene to the alkyl chloride and varying the amount of AlCl₂. Length of the aliphatic chain and position of the Cl atom had no effect, apart from slightly re-

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P/014/61/040/008/005/008 D233/D305

Reactions of benzene with ...

ducing the yield with increasing molecular weight of the chloral-kane, although the secondary chlorides appeared to react more readily. The optimum molar ratio of AlCl₃ to the alkyl chloride was in general found to be 1:10. The reactions did not proceed to completion when AlCl₃ was low and the yields were decreased when the catalyst was in excess. This is ascribed to the occurrence of sidereactions which are described in some detail. It is believed that in the presence of AlCl₃ the chloroalkanes undergo dehydrogenation and the H₂ evolved reduces them to the hydrocarbons. Formation of colefins, cyclic paraffins and free radicals is then postulated. Secondary reactions consisting of alkylation of the benzene, polymerization, condensation and formation of complexes with AlCl₃ may then take place. This mechanism is supported by (1) formation of paraffins of the same chain length as the original chloride, when AlCl₃ was in excess (2) evidence of the ability of AlCl₃ to cataly-

Card 2/5

Reaction of benzene with ...

Card 3/5

P/014/61/040/008/005/008 D233/D305

ze the reduction of chloralkanes, found in the literature, (3) the formation of an oil of a high iodine number after the decomposition of AlCl₃ complexes, and (4) presence of hydrocarbons unsusceptible to sulphonation in the products obtained. It was confirmed that a preponderance of benzene in the starting materials favors the formation of manoalkyl benzenes. The effect of time was studied using a benzene: chloride: AlCl₃ ratio of 5:1:0.1, finding that the optimum yields were obtained after 2 ½2 - 3 hours at 70°C. although the organically bonded chlorine disappeared after ~½2 hour. The yields were gradually reduced when heating was prolonged. It is believed that direct alkylation takes place in the initial 30 minutes, following by polyalkylation, overalkylation, interactions of and with the by-products, decomposition and polymerization. Hydrolysis of the AlCl₃ complexes by water ~40°C showed the presence of considerable amounts of substances of high molecular weight (~1200), of an unknown structure. Hydrolysis of a 100 g

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Reaction of benzene with ...

P/014/61/040/008/005/008 D233/D305

portion of the complex with 30 % NaOH yielded \sim 42 g of a heavy steam volatile oil and \sim 37 g of a pitch-like residue. The substances were found to be partly unsaturated and are thought to form by polymerization. The alkylations were carried out by conventional techniques. Reaction products were separated from the AlCl₃ com-

plexes, washed with 50 % NaOH and then with water, dried over anhydrous Na₂SO₄ and distilled under reduced pressure. An early,

lower boiling fraction and a main fraction containing the alkyl benzene were obtained in each case. The early fractions were found to consist largely of paraffins. The products of the alkylation of benzene with n-decyl chloride [Abstractor's note: This should be 'n-dodecyl' chloride] were sulphonated to ascertain the non-aromatic content. The crude product (after removal of free benzene), dodecyl benzene and the residues from the distillation of dodecyl benzene were found to contain respectively 7.2, 4.5 and 27.6 % of compounds which could not be sulphonated. These percentages were calculated in relation to the total organic matter in the neutral

Card 4/5

P/014/61/040/008/005/008 D233/D305

Reaction of benzene with ...

sulphonation mixture. There are 3 figures, 5 tables, and 8 non-Soviet-bloc references. The reference to the English-language publication reads as follows: H. Gilman, and J. Turc, J. Am. Chem. Soc., 61, 478, 1939.

ASSOCIATION: Katedra technologii chemicznej organicznej, politechniki Śląskiej (Department of Organic Chemistry Technology, Silesia Polytechnic)

SUBMITTED: July 14, 1960

Card 5/5

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MAZONSKI, Tadeusz; HOPFINGER, Alfred

ara paratik dipanjuan sertengan karipanjuan muniki dipangan kari

Synthesis of alkylobenzenes from chlorinated fractions of higher synthetic hydrocarbons. Przem cham 40 no.9:509-511 S *61.

1. Katedra Technologgi Chemicznej Organicznej, Politechnika Slaska, [Gliwice].

 PHASE I BOOK EXPLOITATION

POL/6303

Hopfinger, Alfred

Synteza wyższych kwasów alkilosulfonowych poprzez odpowiednie wodoronadtlenki (Synthesis of Higher Alkylsulfonic Acids With Hydroperoxides) Gliwice, 1962. 58 p. (Series: Gliwice. Politechnika Ślaska. Zeszyty naukowe, no. 57. Praca habilitacyjna, no. 17) 355 copies printed.

Sponsoring Agency: Politechnika Ślaska.

Chief Ed.: Andrzej Grossman.

PURPOSE: This is the author's doctoral thesis, defended on 30 March 1962.

COVERAGE: The author attempts to determine the feasibility of the Baniel-Vromen method for the industrial-scale manufacture of higher alkylsulfonic acids as detergents with properties better than those of sodium dodecylbenzenesulfonate. The

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Synthesis of Higher (Cont.)

POL/6303

thesis discusses briefly the manufacture of alkylsulfonic acids according to the U.S. method of Baniel and Vromen. The main aims of the work are to determine 1) whether the higher alkyl hydroperoxides can be mass-produced economically and 2) whether the higher alkylsulfonic acids represent a product with detergent properties satisfying the existing industrial requirements for synthetic surfactants. There are 41 references: 12 Soviet and 29 non-Soviet.

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Ch. V. Synthesis of Alkylsulfonic Acids From the Corresponding Hydrocarbons	32
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Synthesis of Higher (Cont.)

POL/6303

References

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AVAILABLE: Library of Congress

SUBJECT: Chemistry

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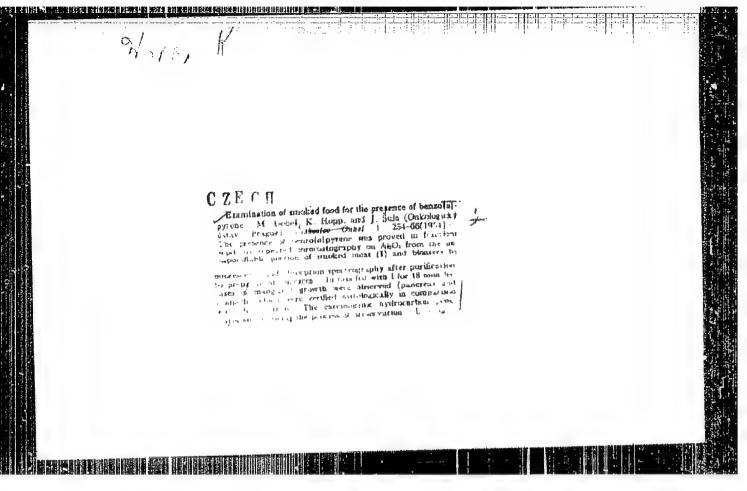
HOPFINGER, Alfred

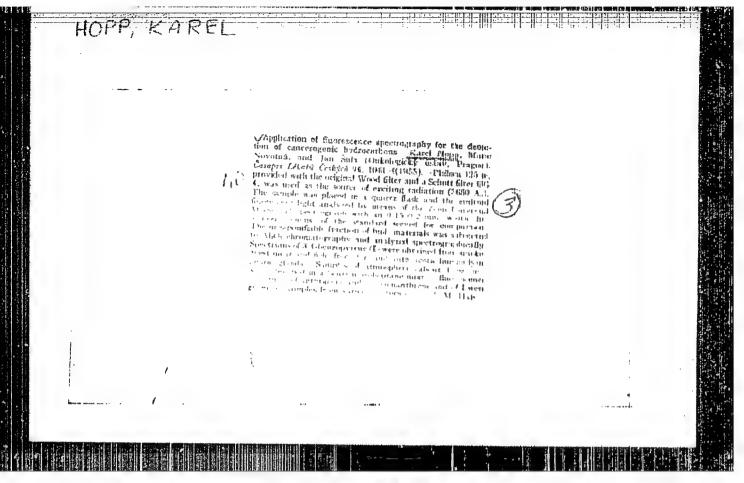
Continuous sulfonation of kerylbenzene; studies on it and commercial realization. Przem chem 41 no.1:45-47 Ja '62.

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Microstabilizers of tension with selenium elements.

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December 1956

HOFFE, E.

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Vol. 4, no. 11, Nov. 1956 ELECTROTEHNICA TECHNOLOGY Rumania

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HOPPE, J.

On 11, trails. p. 11; TURYSTA. (Polskie Towarzystwo Turystyczno-Krajoznawcze)
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Not in DLC

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 14, No. 9, Sept. 1955 Uncl.

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